

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							February 2003			
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604220A - Armed, Deployable OH-58D				PROJECT 538		
COST (In Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
538 KIOWA WARRIOR LFTE	1764	1790	0	0	0	0	0	0	0	4061
<p><u>A. Mission Description and Budget Item Justification:</u> Program funding provides static and dynamic Live Fire Test and Evaluation (LFT&E) for the Kiowa Warrior Mast Mounted Sight (MMS) and Main Rotor Blades (MRB). There will be additional quasi-static testing performed on the MRBs. The ballistic testing, required by Title X, US Code 2366, was documented in the Kiowa Warrior Live Fire Independent Evaluation Plan/Test Design Plan (IEP/TDP) dated February 1999, and approved by the Deputy Under Secretary of the Army, Operations Research (DUSA (OR)) and the Director, Operational Test and Evaluation (DOTE). LFT&E has not been conducted on the Kiowa Warrior to date because it had predated the statutory requirements. To complete the dynamic portion of the LFT&E, a ground test vehicle (GTV) will be assembled. The GTV will consist of fully functional but non-flightworthy airframe and engine parts. No radios, or working mission equipment will be installed. Only essential flight instruments will be installed for safe ground operations. Plywood mock-ups or empty black boxes will be used in place of mission equipment. The MMS static testing will be conducted with the MMS attached to a maintenance stand. The dynamic testing will be conducted with the MMS fastened on the GTV operating at 100% rotor speed. The quasi-static MRB testing will be conducted while various loads are applied to the blade specimens. Each test shot defined in the IEP/TDP will vary from caliber 7.62mm to 30 mm. All testing will occur on a controlled range at Aberdeen Proving Grounds, MD.</p> <p>This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).</p>										
<u>Accomplishments/Planned Program</u>							<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Development/Operational Test & Analysis 2 Main rotor blades, 1 GTV Assembly							26	619	0	0
Developmental/Operational Test & Analysis							0	107	0	0
Battle Damage Assessment							11	12	0	0
Mock-up Cost							1727	846	0	0
Mock-up Cost (1 GTV)							0	206	0	0
Totals							1764	1790	0	0

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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

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<u>B. Program Change Summary</u>	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	2326	1873	0	0
Current Budget (FY 2004/2005 PB)	1764	1790	0	0
Total Adjustments	-562	-83	0	0
Congressional program reductions				
Congressional rescissions		-21		
Congressional increases				
Reprogrammings	-497	-10		
SBIR/STTR Transfer	-65	-52		
Adjustments to Budget Years				

<u>C. Other Program Funding Summary</u>	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
APA AZ2200 - Kiowa Warrior	42103	41684	45051	33868	22450	42135	20688	15241	24900	288120

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<p><u>D. Acquisition Strategy:</u> Test planning and actual testing will be conducted by Army Research Laboratories (ARL). Test results will be analyzed by ARL, the Army Test and Evaluation Center (ATEC), and the Evaluation Analysis Center (EAC). The US Army Aviation Logistics School (USAALS) will perform battle damage assessment and the Boeing Company will provide support for the planning, testing and analysis efforts.</p>		

Schedule Profile Detail (R-4a Exhibit)						February 2003		
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<u>Schedule Detail</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Test - Phase I (Static shots)	1-4Q							
Test - Phase II (Dynamic shots)	4Q	1-4Q	1Q					